

Table 3.2
Estimated Effectiveness of Alternatives

Constituent	Parameter	Current Loading Condition	Alternative 1		Alternative 2		Alternative 3		Alternative 4	
			Media Filtration Vaults ^a		Catch Basin Filtration ^a		Modified Catch Basin/Cleaning		High Efficiency Sweeping and Modified Catch Basin/Cleaning	
			low	high	low	high	low	high	low	high
Total Suspended Solids	Percent Reduction Range		81%	99%	81%	99%	49%	93%	70%	94%
	Mean Concentration in mg/L	94.40								
	Mass Reduction in lb/yr		11007	13387	11007	13387	6695	12591	9416	12760
Oil/Grease	Percent Reduction Range		46%	90%	46%	90%	25%	71%	30%	85%
	Mean Concentration in mg/L	9.47								
	Mass Reduction in lb/yr		627	1217	627	1217	342	966	413	1157
Cadmium	Percent Reduction Range		45%	90%	45%	90%	23%	53%	55%	72%
	Mean Concentration in mg/L	0.005								
	Mass Reduction in lb/yr		0.32	0.64	0.32	0.64	0.16	0.38	0.40	0.52
Copper	Percent Reduction Range		44%	98%	44%	98%	25%	59%	47%	70%
	Mean Concentration in mg/L	0.022								
	Mass Reduction in lb/yr		1.41	3.15	1.41	3.15	0.81	1.89	1.49	2.25
Lead	Percent Reduction Range		60%	97%	60%	97%	43%	86%	64%	85%
	Mean Concentration in mg/L	0.022								
	Mass Reduction in lb/yr		1.87	3.04	1.87	3.04	1.35	2.70	2.00	2.68
Zinc	Percent Reduction Range		39%	97%	39%	97%	28%	64%	45%	70%
	Mean Concentration in mg/L	0.130								
	Mass Reduction in lb/yr		7.24	18.01	7.24	18.01	5.23	11.92	8.47	13.01

^a Alternatives 1 and 2 will require a modified catch basin upstream of unit for pretreatment.